

## Annex 4 – Full results

### Numerical Outputs

Table A4.1 Main outputs for all scenarios analysed.

Impact of Meeting Demand Growth to 2023 with CG or DE						
			Low Fuel Price		High Fuel Price	
	Central Nuclear	DE/Renewables	CG	DE	CG	DE
Total Capital Cost (Capacity + T&D) Billions of £	71	69	71	69	71	69
Retail Cost (pence / kWh; new plant)	6.89	6.51	6.35	5.96	8.29	7.88
Emissions (000 t):						
NO <sub>x</sub>	109	19	109	19	109	19
SO <sub>2</sub>	20	10	20	10	20	10
PM10	1	2	1	2	1	2
CO <sub>2</sub> Emissions (Mt)	15.88	9.73	15.88	9.73	15.88	9.73

Total CO2 in 2023						
			Low Fuel Price		High Fuel Price	
	Central Nuclear	DE/Renewables	CG	DE	CG	DE
CO2 emissions from remaining base year capacity (Mt)	19.77	19.77	19.77	19.77	19.77	19.77
CO2 emissions from new capacity, over 20 years (Mt)	15.88	9.73	15.88	9.73	15.88	9.73
<b>TOTAL CO2 EMISSIONS</b>	<b>35.66</b>	<b>29.51</b>	<b>35.66</b>	<b>29.51</b>	<b>35.66</b>	<b>29.51</b>

Impact of Meeting Demand Growth to 2023 with CG or DE							
	No Nuclear		No New Gas		No Nuclear, no demand grow		Greenpeace
	CG	DE	CG	DE	CG	DE	CG
Total Capital Cost (Capacity + T&D) Billions of £	69	69	87	76	57	57	66
Retail Cost (pence / kWh; new plant)	7.47	6.51	6.67	6.52	7.47	6.49	8.37
Emissions (000 t):							
NO <sub>x</sub>	135	19	186	65	112	16	51
SO <sub>2</sub>	25	10	116	37	20	8	3
PM10	1	2	4	3	1	2	0
CO <sub>2</sub> Emissions (Mt)	19.64	9.73	38.10	24.30	16.24	8.09	6.29

Total CO2 in 2023							
	No Nuclear		No New Gas		No Nuclear, no demand grow		Greenpeace
	CG	DE	CG	DE	CG	DE	CG
CO2 emissions from remaining base year capacity (Mt)	19.77	19.77	19.77	19.77	19.77	19.77	19.77
CO2 emissions from new capacity, over 20 years (Mt)	19.64	9.73	38.10	24.30	16.24	8.09	6.29
<b>TOTAL CO2 EMISSIONS</b>	<b>39.41</b>	<b>29.51</b>	<b>57.87</b>	<b>44.07</b>	<b>36.02</b>	<b>27.86</b>	<b>26.06</b>

### Graphical Outputs

Figure A4.1 Retail Costs in 2023

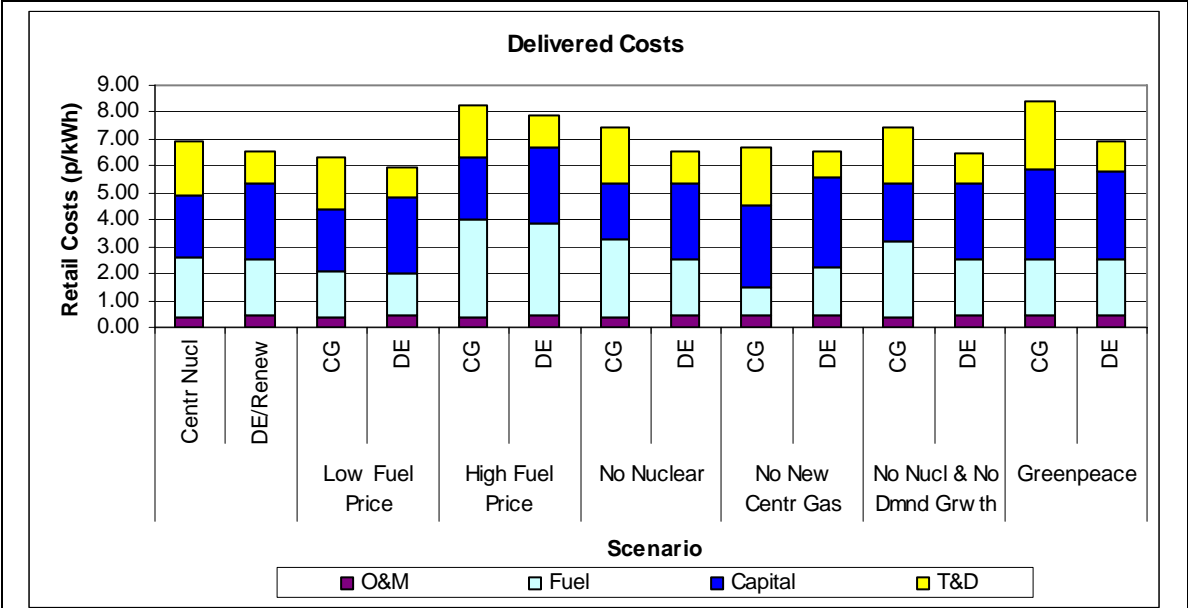


Figure A4.2 Capital Costs

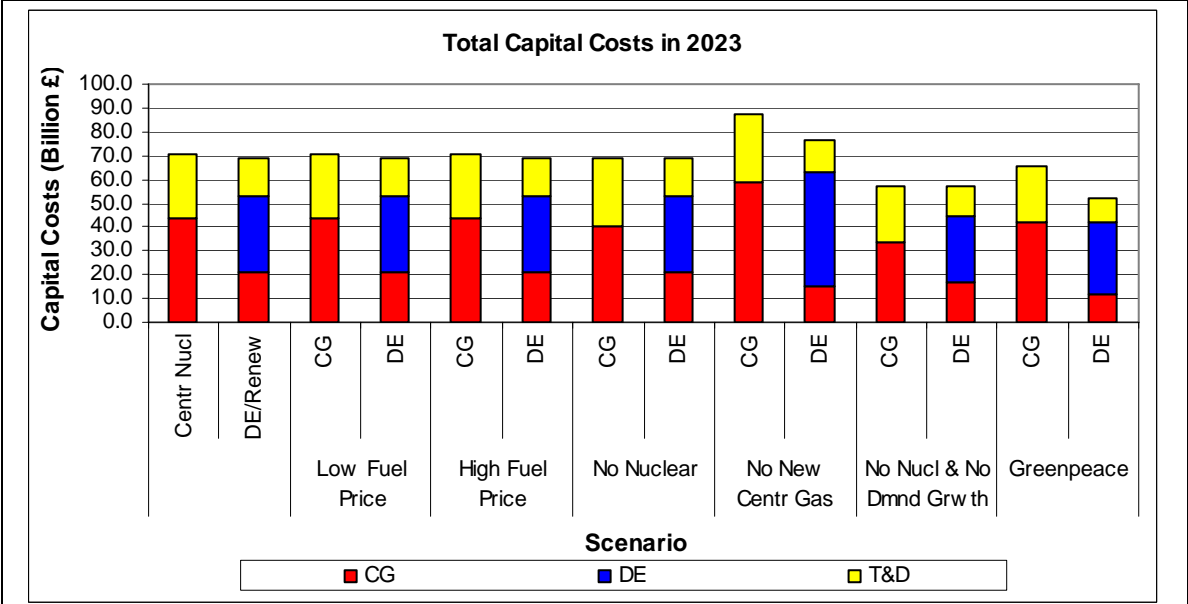


Figure A4.3 CO<sub>2</sub> Emissions from Total Generation in 2023

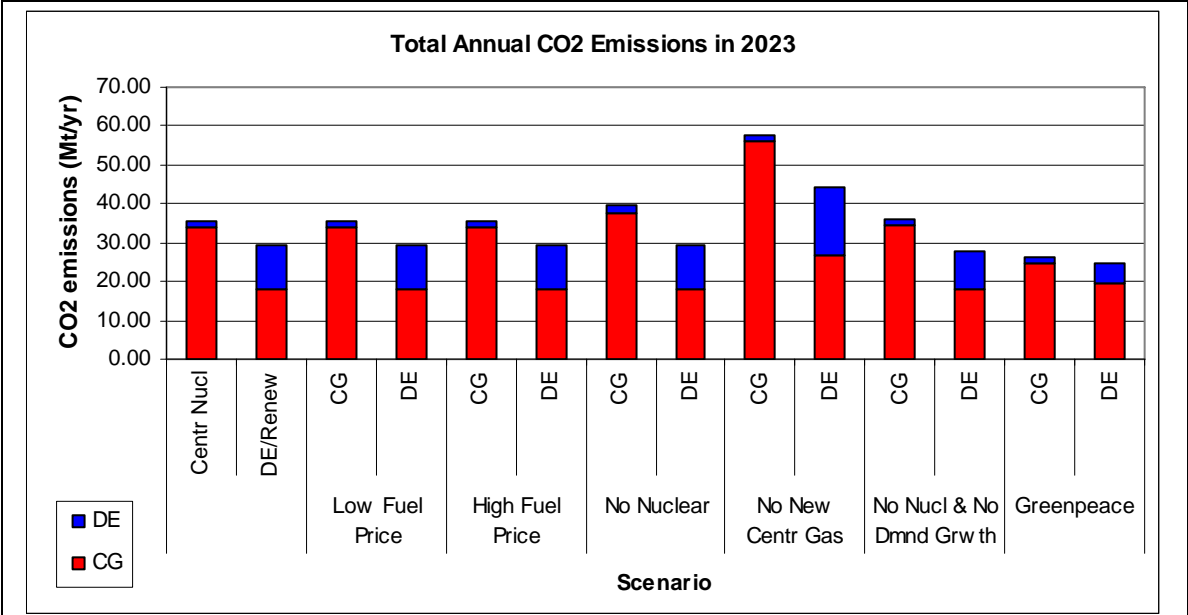


Figure A4.4 Fuel Use by Type in 2023

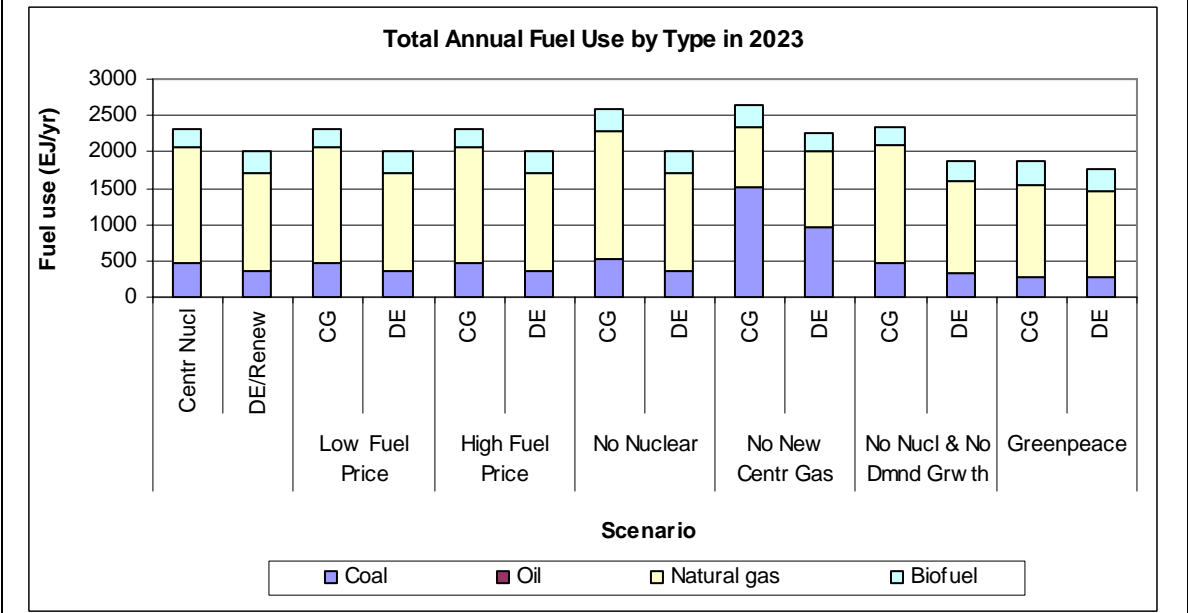


Figure A4.5 Generation by Source in 2023

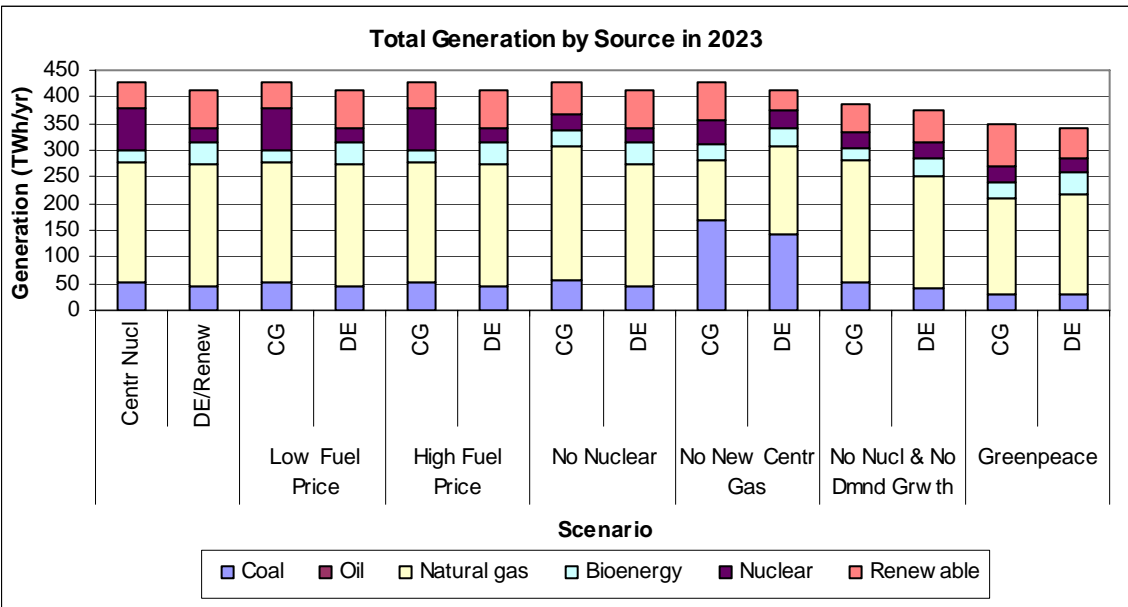


Figure A4.6 Pollutant Emissions: NO<sub>x</sub>, SO<sub>2</sub> and PM<sub>10</sub>

